

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143617.D
 Acq On : 28 Aug 2025 18:43
 Operator : RC/JU
 Sample : Q2971-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2

Quant Time: Aug 29 01:09:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

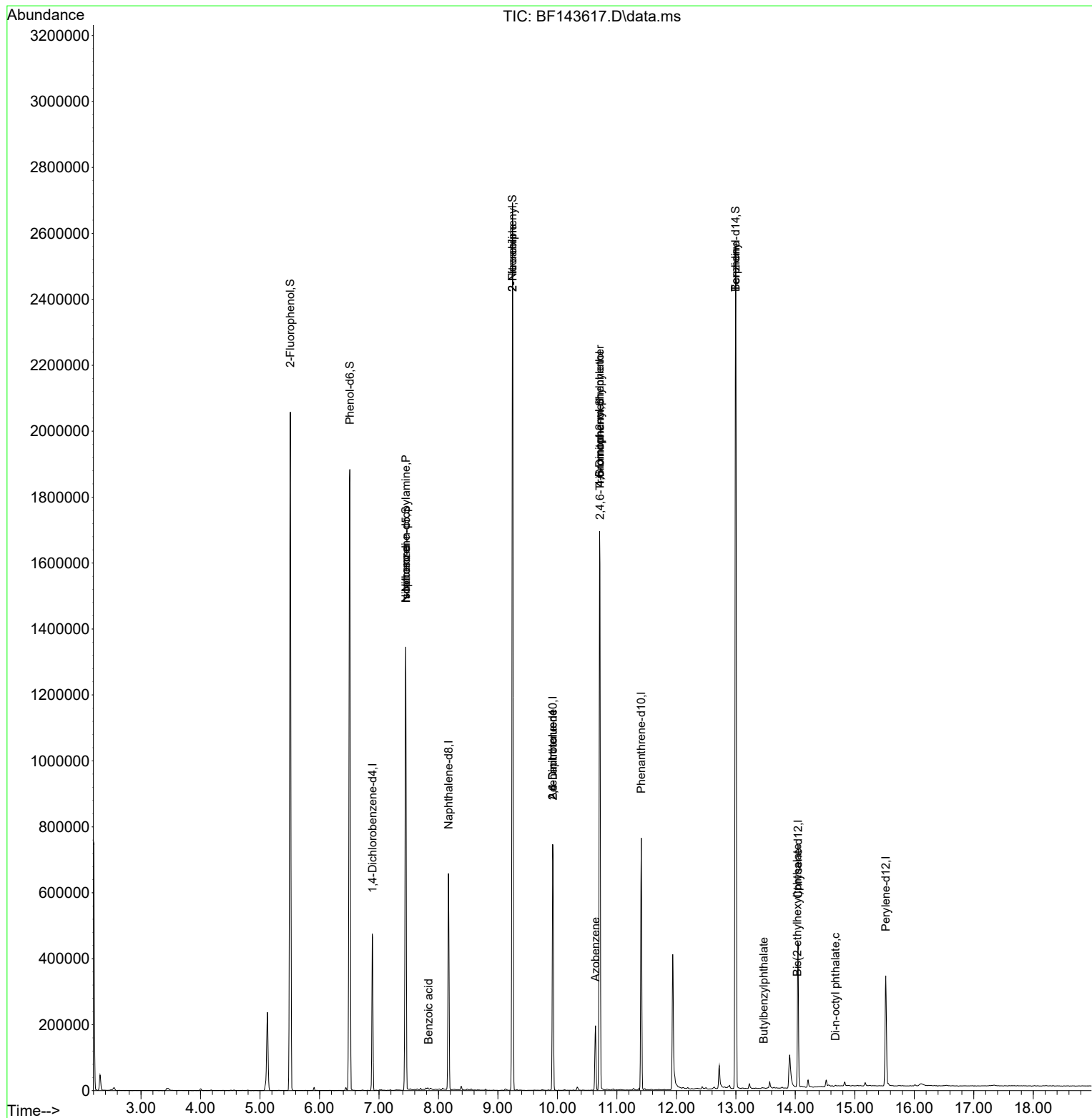
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	102649	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	401363	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	230387	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	383905	20.000	ng	0.00
76) Chrysene-d12	14.045	240	211768	20.000	ng	0.00
86) Perylene-d12	15.521	264	197523	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	800639	132.751	ng	0.00
7) Phenol-d6	6.510	99	1019266	136.448	ng	0.00
23) Nitrobenzene-d5	7.451	82	626303	111.417	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	311722	173.018	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1228599	91.177	ng	0.00
79) Terphenyl-d14	12.998	244	1274408	107.991	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	83306	17.604	ng	# 76
25) Isophorone	7.451	82	622493	47.321	ng	# 66
32) Benzoic acid	7.833	122	594	7.517	ng	# 77
48) 2-Nitroaniline	9.245	65	2101	4.850	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	29259	15.850	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	29259	13.269	ng	# 23
63) Azobenzene	10.639	77	48735	3.619	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	650	8.225	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	20166	4.856	ng	# 1
77) Benzidine	12.998	184	15476	3.174	ng	# 93
80) Butylbenzylphthalate	13.468	149	238	3.712	ng	# 72
84) Bis(2-ethylhexyl)phtha...	14.033	149	1362	3.434	ng	# 87
85) Di-n-octyl phthalate	14.674	149	291	5.888	ng	# 72

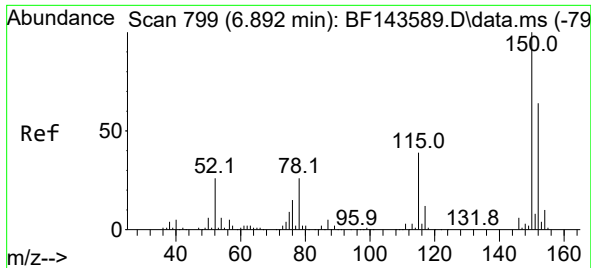
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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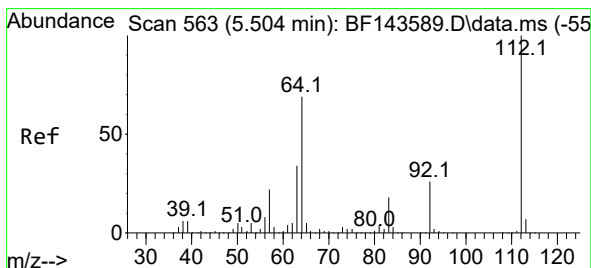
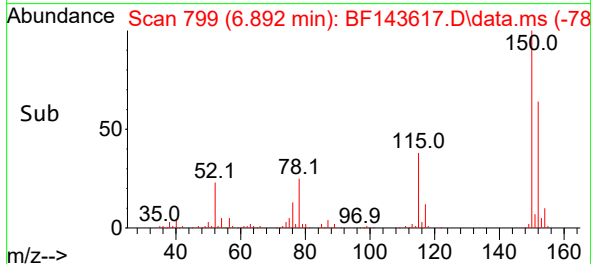
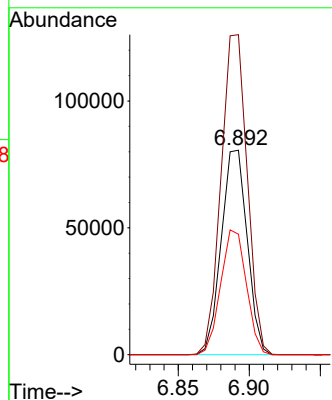
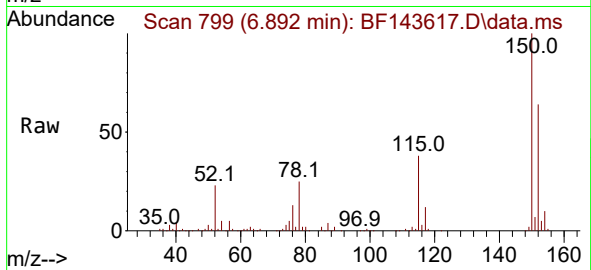




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

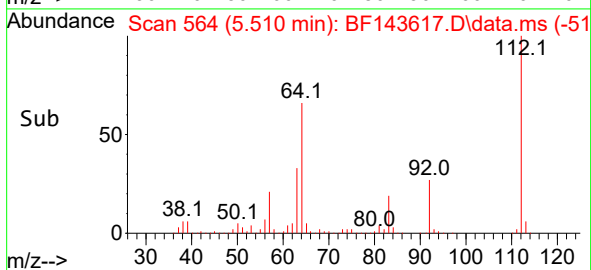
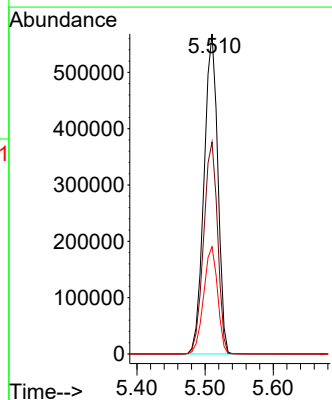
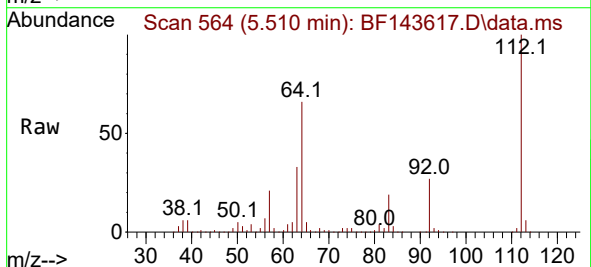
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 ClientSampleId :
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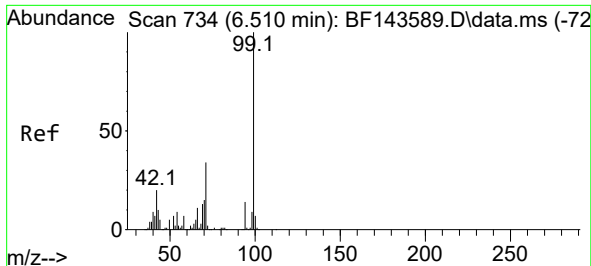
Tgt Ion:152 Resp: 102649
 Ion Ratio Lower Upper
 152 100
 150 156.4 124.9 187.3
 115 58.9 48.0 72.0



#5
 2-Fluorophenol
 Concen: 132.751 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.006 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

Tgt Ion:112 Resp: 800639
 Ion Ratio Lower Upper
 112 100
 64 66.2 54.8 82.2
 63 33.5 27.6 41.4





#7
Phenol-d6
Concen: 136.448 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

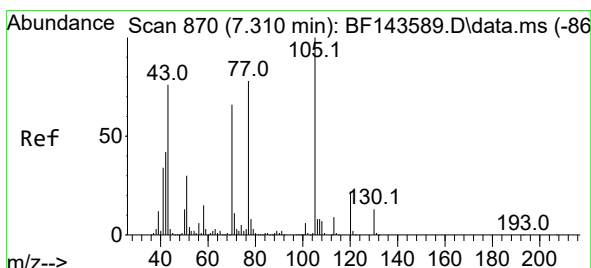
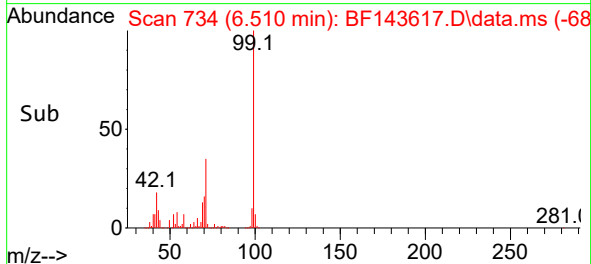
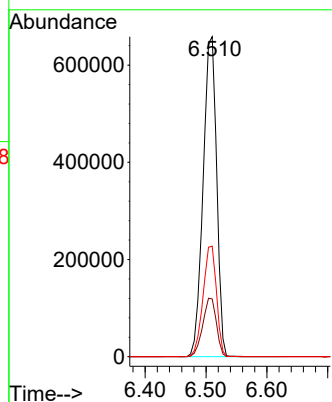
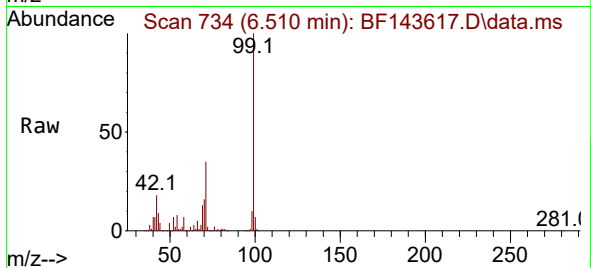
Instrument :

BNA_F

ClientSampleId :

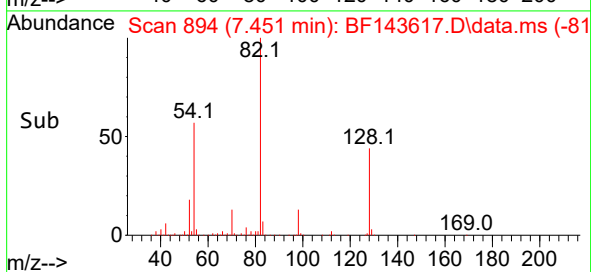
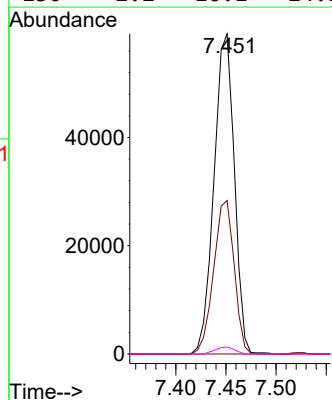
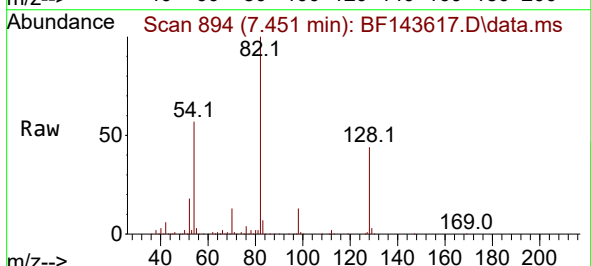
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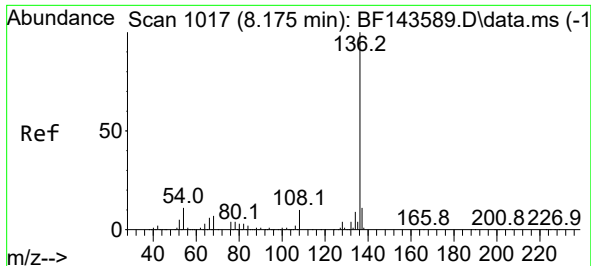
Tgt Ion: 99 Resp: 1019266
Ion Ratio Lower Upper
99 100
42 18.1 15.9 23.9
71 34.5 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.604 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion: 70 Resp: 83306
Ion Ratio Lower Upper
70 100
42 47.9 50.6 75.8#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



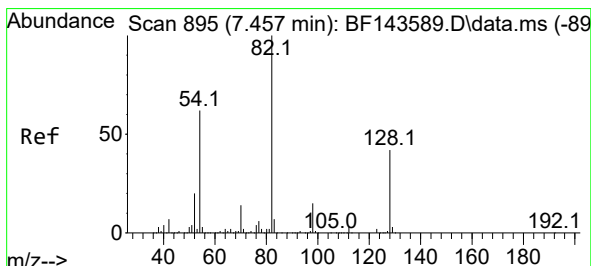
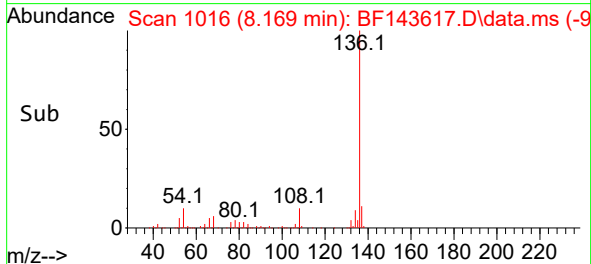
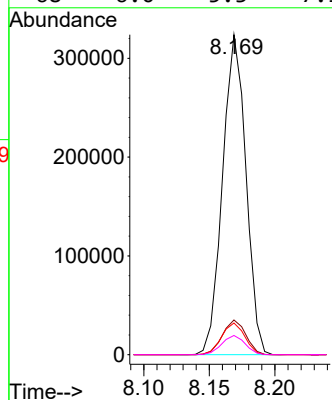
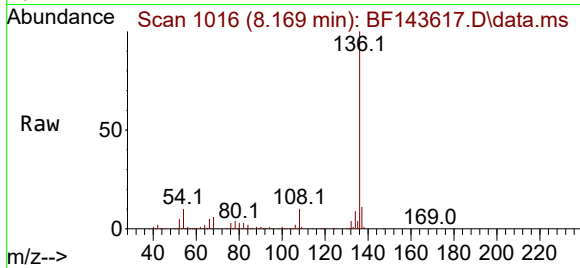


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Instrument :
BNA_F
ClientSampleId :
TP2

Tgt Ion:136 Resp: 401363

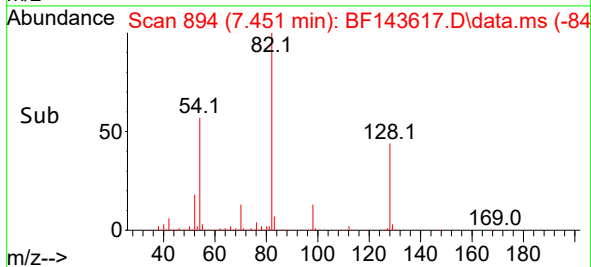
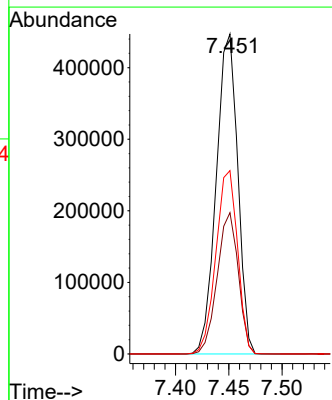
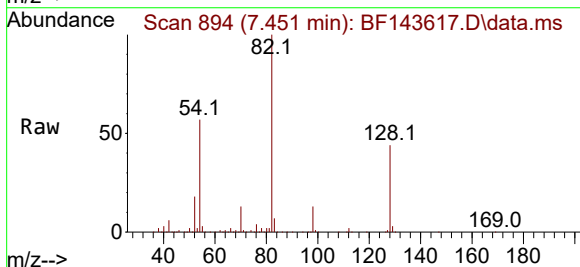
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	9.0	13.6
68	6.0	5.3	7.9

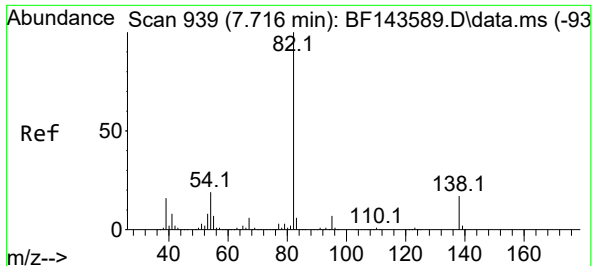


#23
Nitrobenzene-d5
Concen: 111.417 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion: 82 Resp: 626303

Ion	Ratio	Lower	Upper
82	100		
128	44.2	33.4	50.2
54	57.3	49.3	73.9

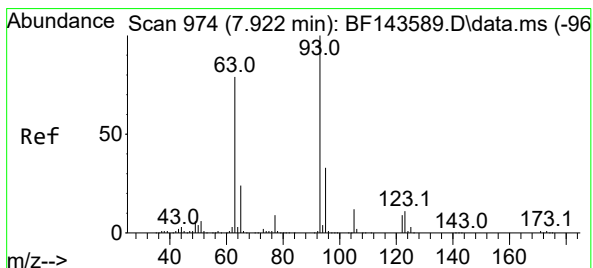
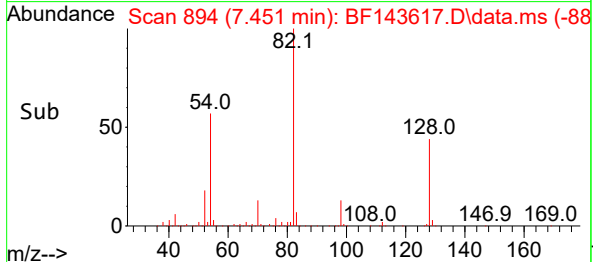
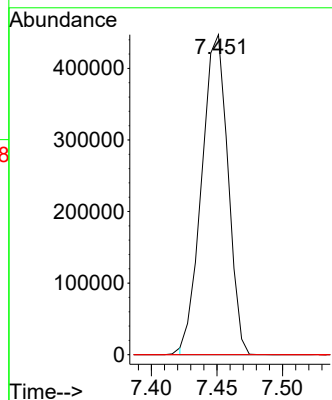
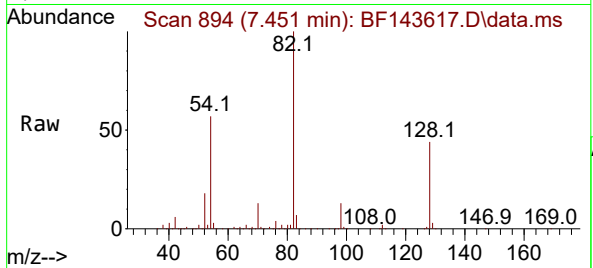




#25
Isophorone
Concen: 47.321 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

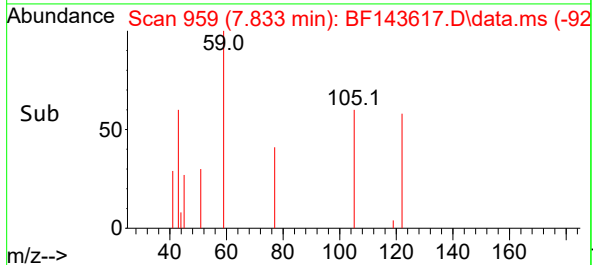
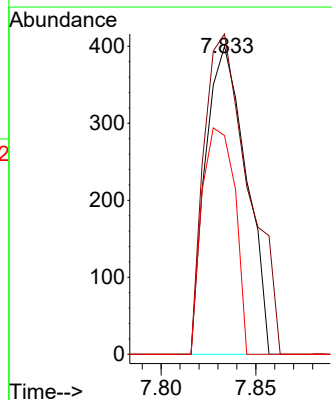
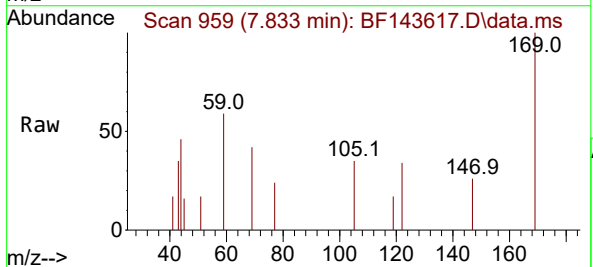
Instrument :
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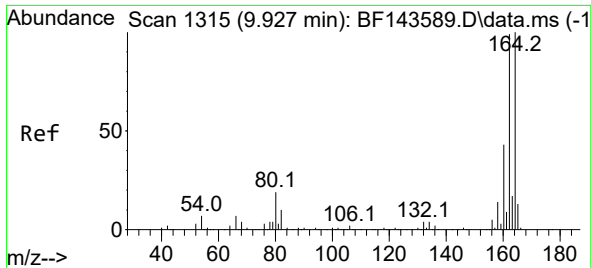
Tgt Ion: 82 Resp: 622493
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 7.517 ng
RT: 7.833 min Scan# 959
Delta R.T. -0.089 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion: 122 Resp: 594
Ion Ratio Lower Upper
122 100
105 104.0 106.4 146.4#
77 71.0 79.3 119.3#

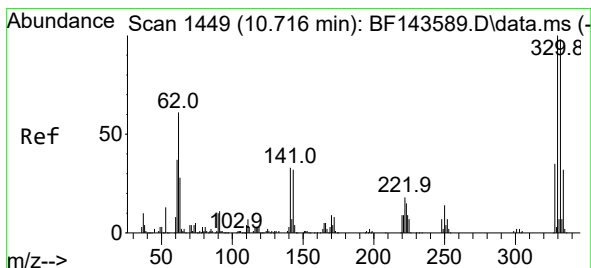
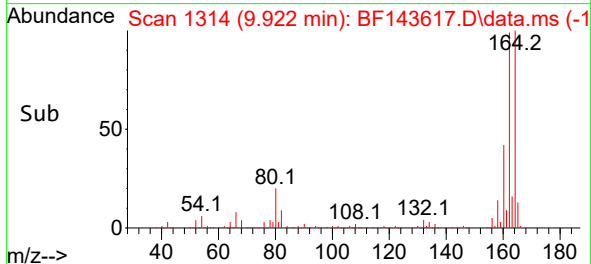
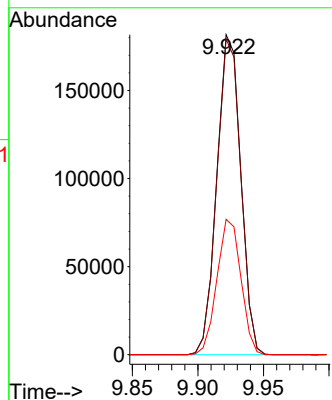
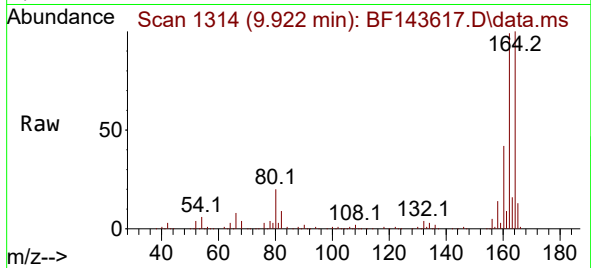




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

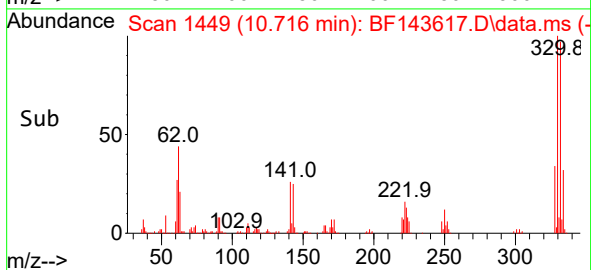
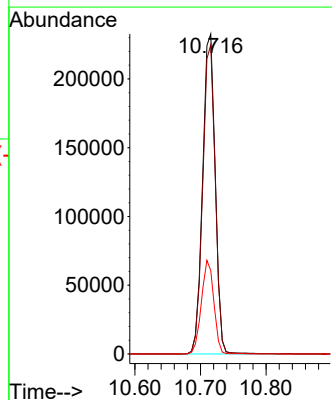
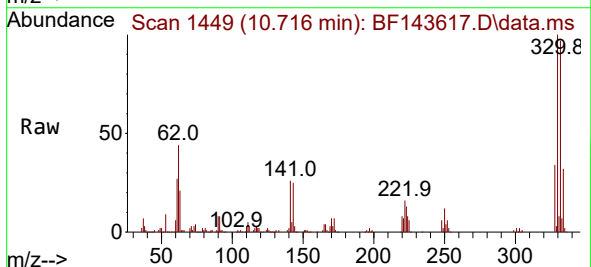
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ClientSampleId :
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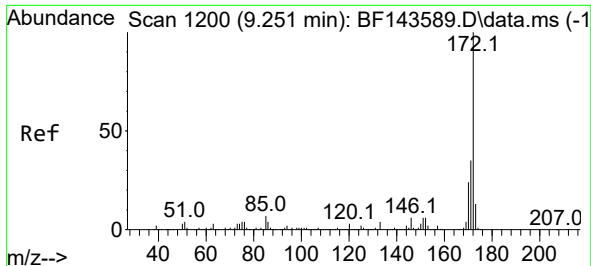
Tgt Ion:164 Resp: 230387
Ion Ratio Lower Upper
164 100
162 98.6 79.5 119.3
160 42.3 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 173.018 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion:330 Resp: 311722
Ion Ratio Lower Upper
330 100
332 96.0 78.2 117.4
141 28.9 25.4 38.0

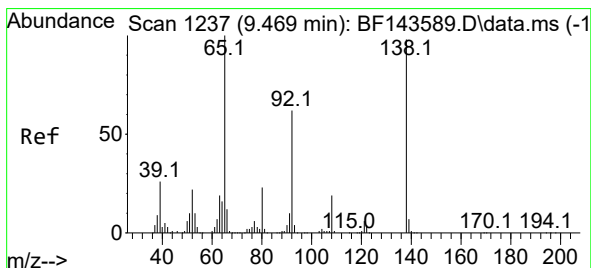
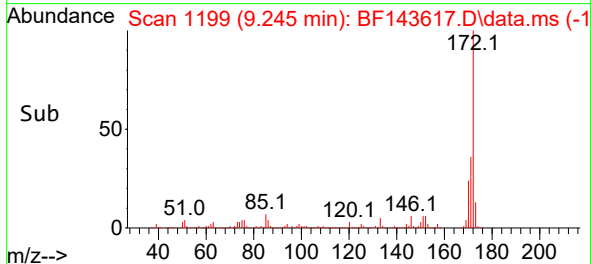
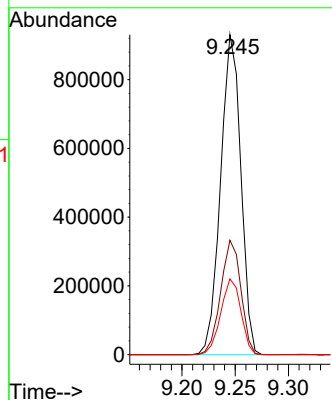
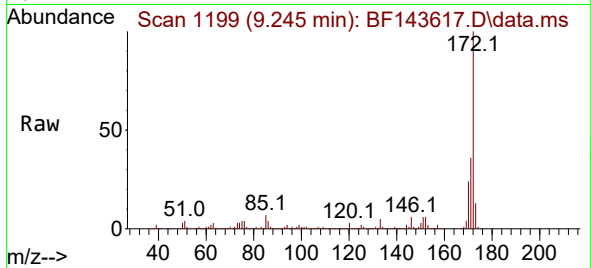




#45
2-Fluorobiphenyl
Concen: 91.177 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

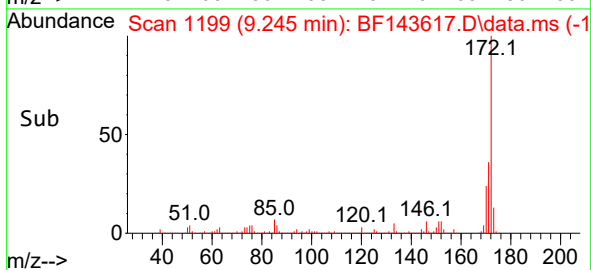
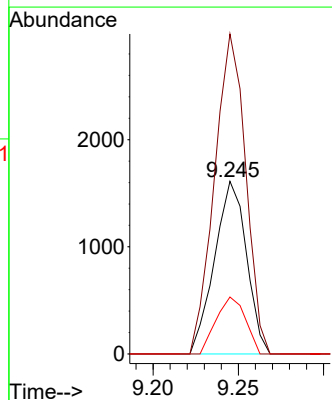
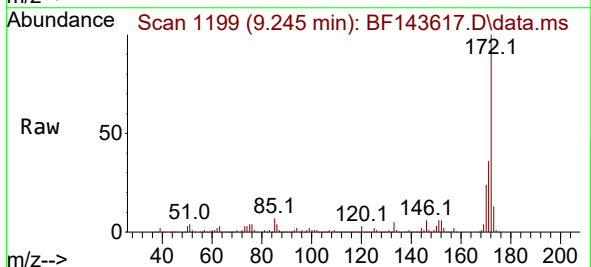
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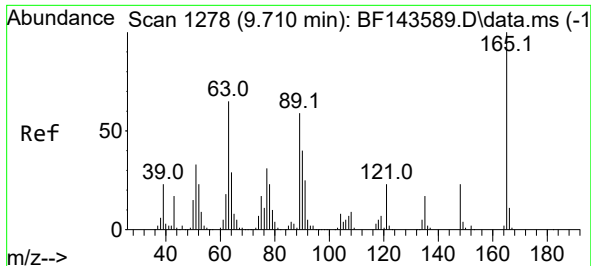
Tgt Ion:172 Resp: 1228599
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.7 19.0 28.4



#48
2-Nitroaniline
Concen: 4.850 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.224 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion: 65 Resp: 2101
Ion Ratio Lower Upper
65 100
92 185.4 49.6 74.4#
138 33.0 78.6 118.0#

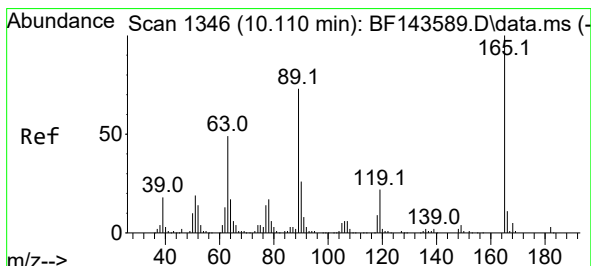
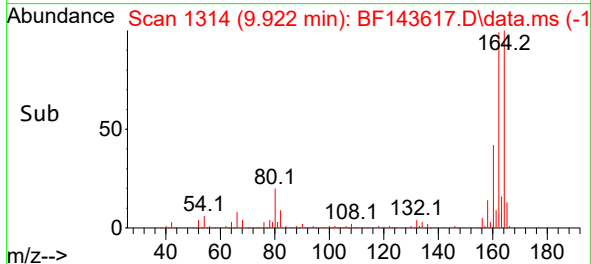
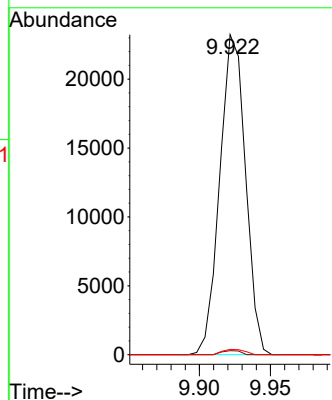
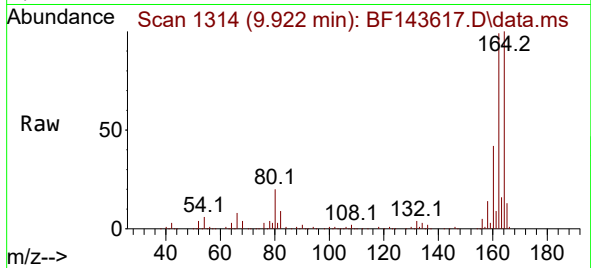




#51
2,6-Dinitrotoluene
Concen: 15.850 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

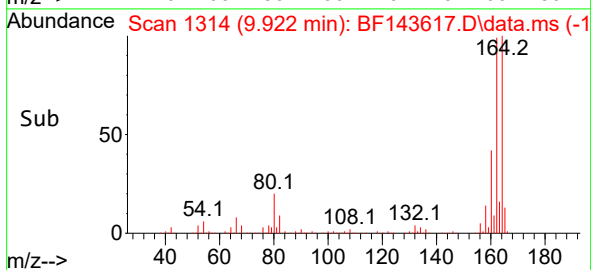
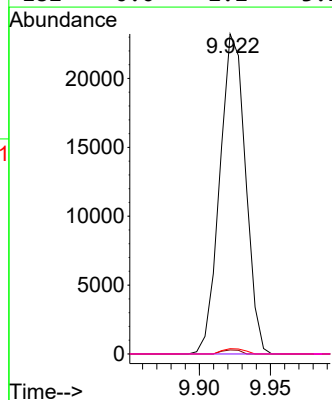
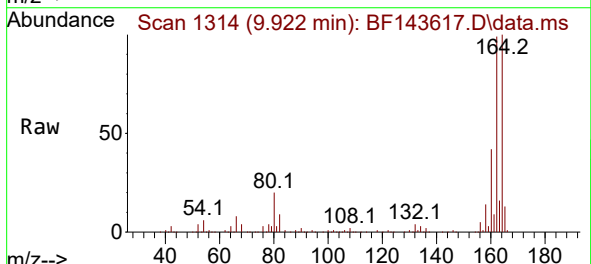
Instrument :
BNA_F
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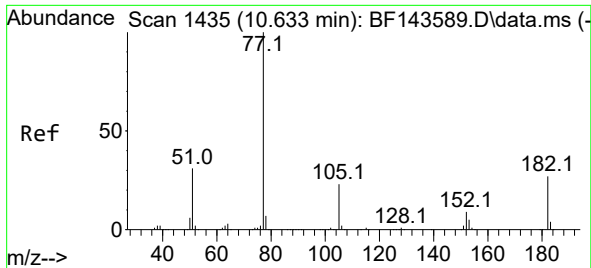
Tgt Ion:165 Resp: 29259
Ion Ratio Lower Upper
165 100
63 1.3 51.8 77.6#
89 1.6 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 13.269 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion:165 Resp: 29259
Ion Ratio Lower Upper
165 100
63 1.3 39.5 59.3#
89 1.6 58.1 87.1#
182 0.0 2.2 3.2#

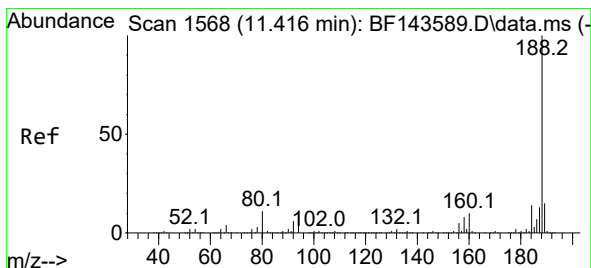
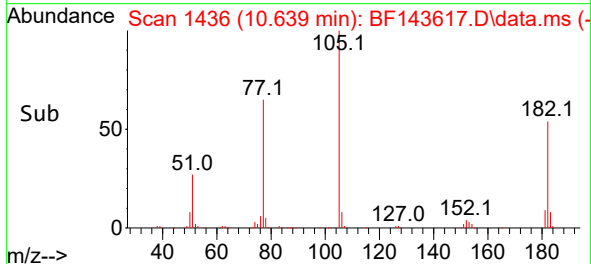
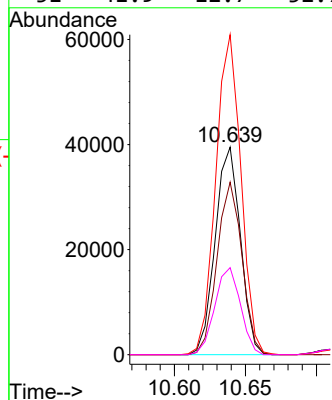
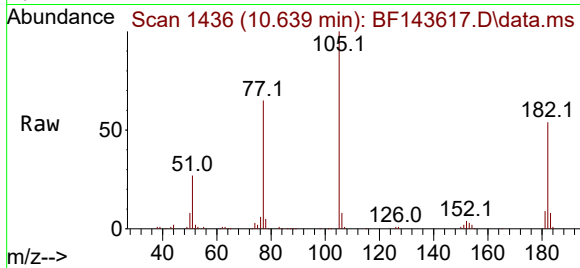




#63
 Azobenzene
 Concen: 3.619 ng
 RT: 10.639 min Scan# 1435
 Delta R.T. 0.006 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

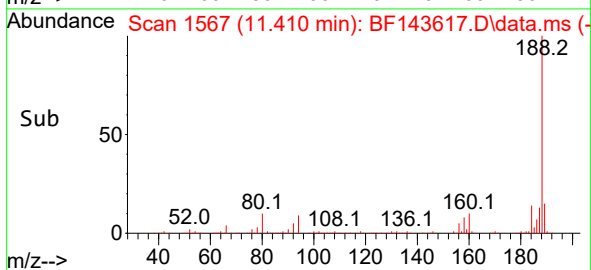
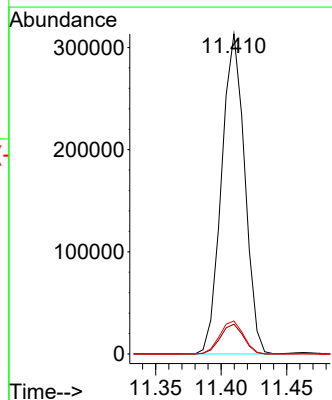
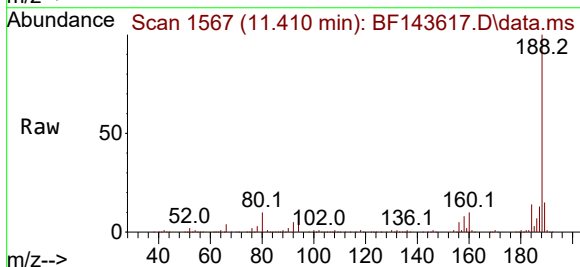
Instrument :
 BNA_F
 ClientSampleId :
 TP2

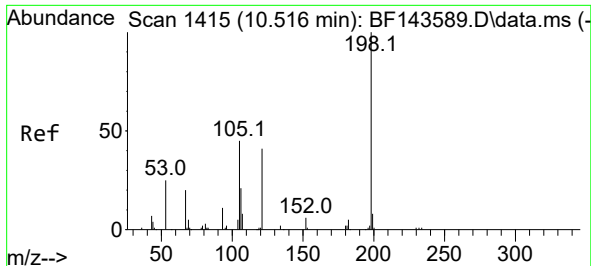
Tgt Ion: 77 Resp: 48735
 Ion Ratio Lower Upper
 77 100
 182 83.1 6.3 46.3#
 105 154.2 2.4 42.4#
 51 41.9 12.7 52.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

Tgt Ion: 188 Resp: 383905
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.2 12.4
 80 10.3 8.9 13.3

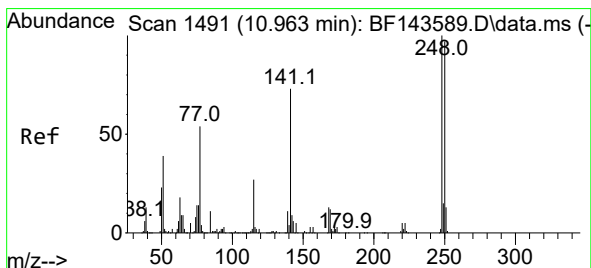
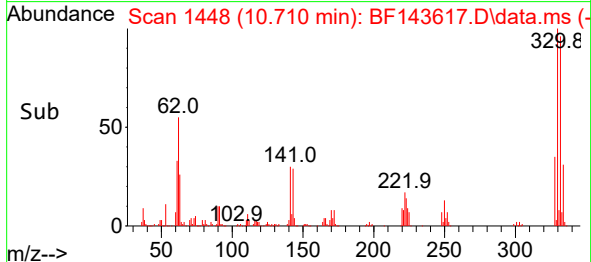
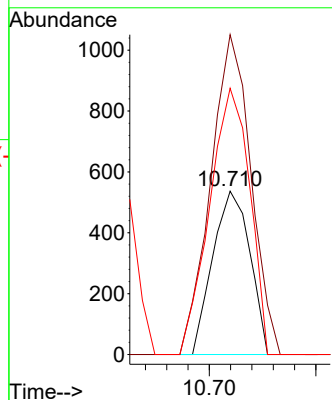
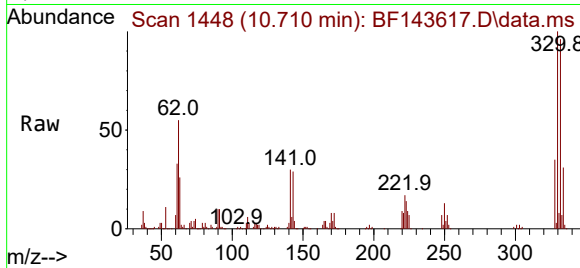




#65
4,6-Dinitro-2-methylphenol
Concen: 8.225 ng
RT: 10.710 min Scan# 1415
Delta R.T. 0.194 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

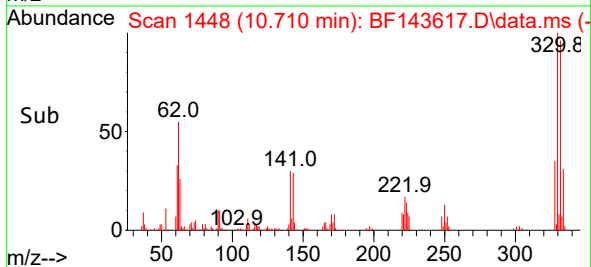
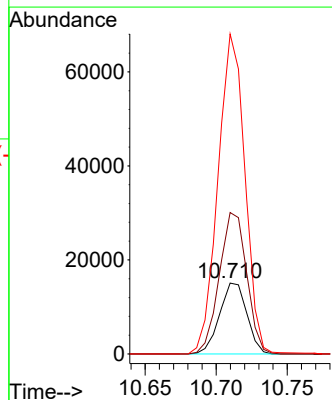
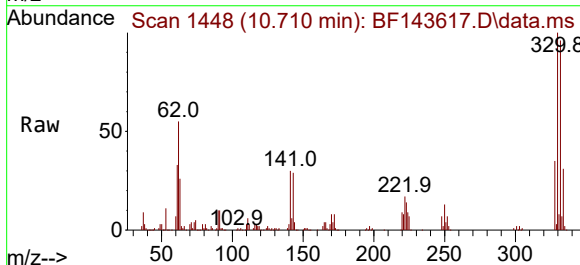
Instrument :
BNA_F
ClientSampleId :
TP2

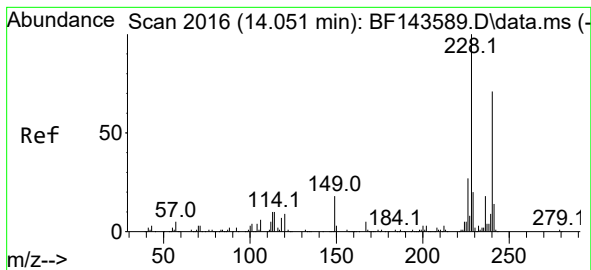
Tgt Ion:198 Resp: 650
Ion Ratio Lower Upper
198 100
51 195.7 41.5 81.5#
105 162.9 28.2 68.2#



#67
4-Bromophenyl-phenylether
Concen: 4.856 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.253 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion:248 Resp: 20166
Ion Ratio Lower Upper
248 100
250 199.4 77.8 116.6#
141 450.9 58.5 87.7#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143617.D

Acq: 28 Aug 2025 18:43

Instrument :

BNA_F

ClientSampleId :

TP2

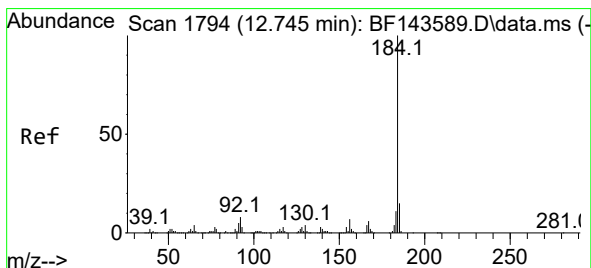
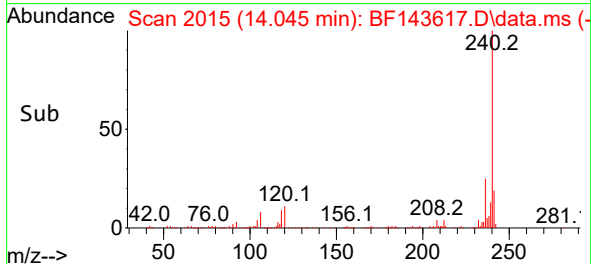
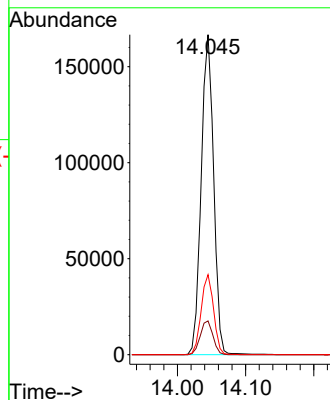
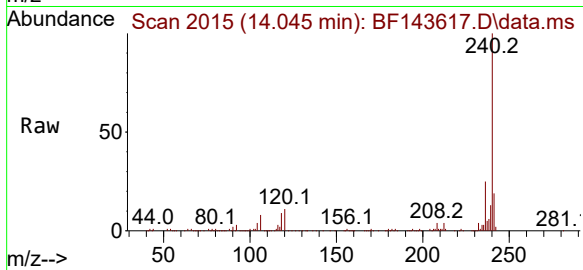
Tgt Ion:240 Resp: 211768

Ion Ratio Lower Upper

240 100

120 10.6 9.6 14.4

236 25.0 20.2 30.2



#77

Benidine

Concen: 3.174 ng

RT: 12.998 min Scan# 1837

Delta R.T. 0.253 min

Lab File: BF143617.D

Acq: 28 Aug 2025 18:43

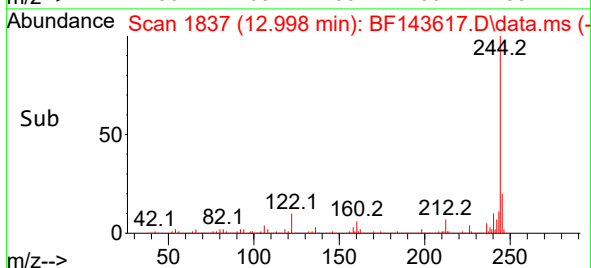
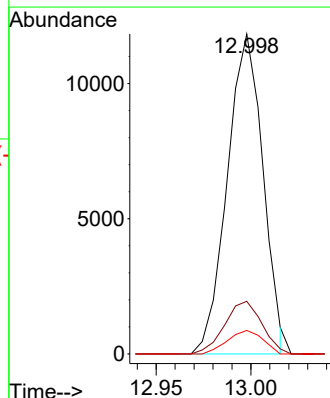
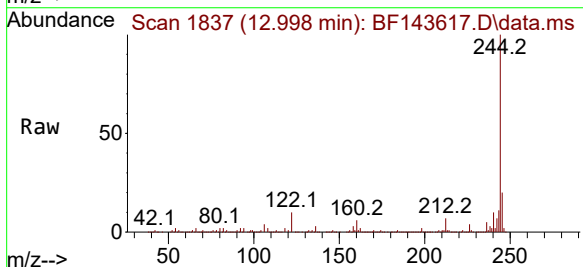
Tgt Ion:184 Resp: 15476

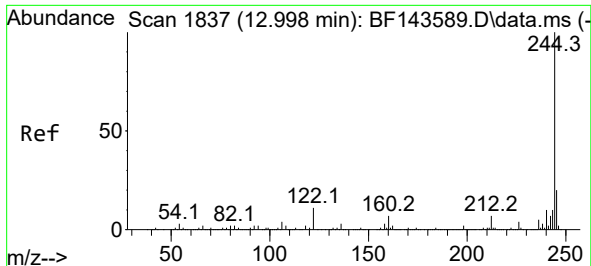
Ion Ratio Lower Upper

184 100

185 16.5 11.8 17.6

183 7.3 9.1 13.7#

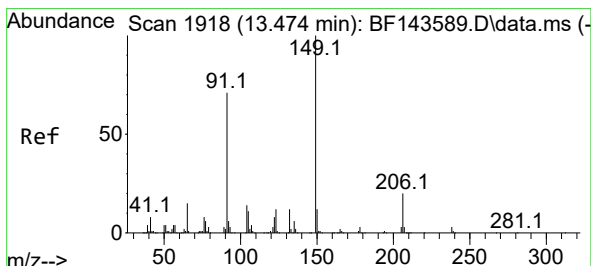
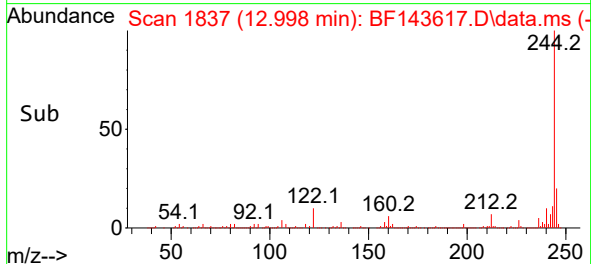
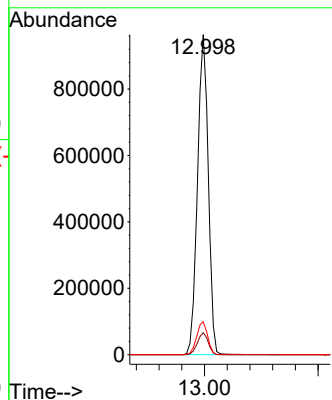
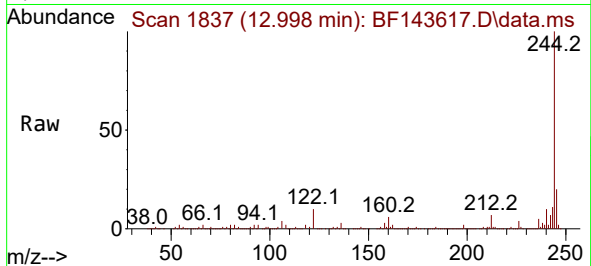




#79
 Terphenyl-d14
 Concen: 107.991 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

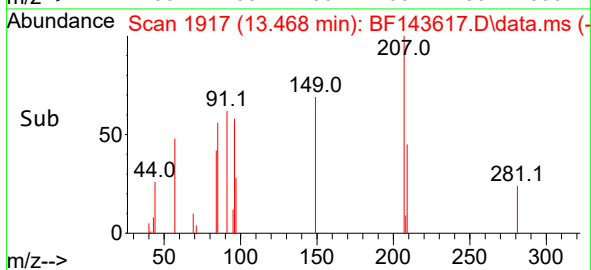
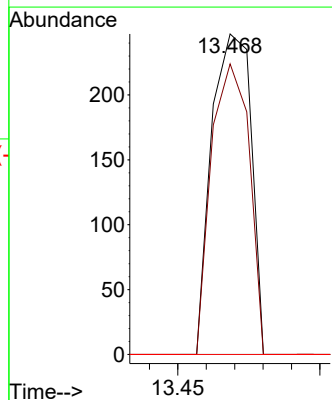
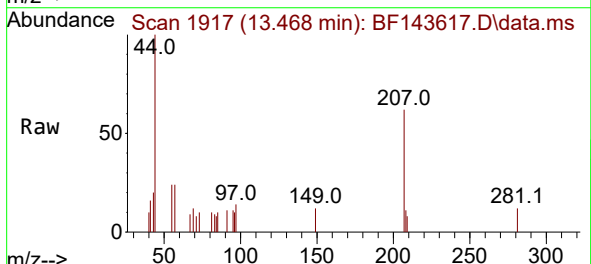
Instrument :
 BNA_F
 ClientSampleId :
 TP2

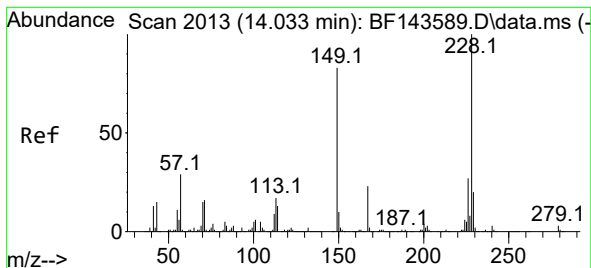
Tgt Ion:244 Resp: 1274408
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 10.3 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 3.712 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. -0.006 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

Tgt Ion:149 Resp: 238
 Ion Ratio Lower Upper
 149 100
 91 90.7 56.8 85.2#
 206 0.0 16.2 24.2#

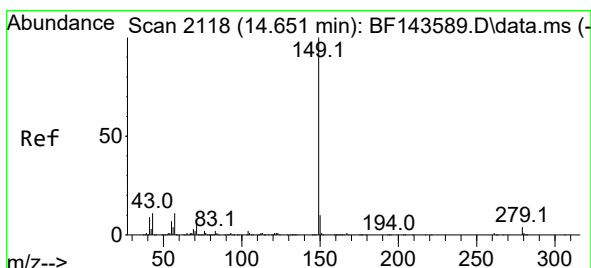
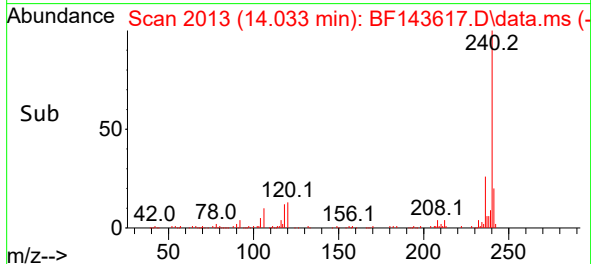
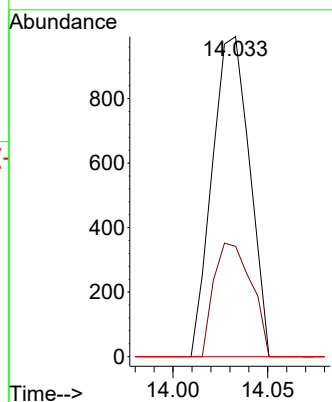
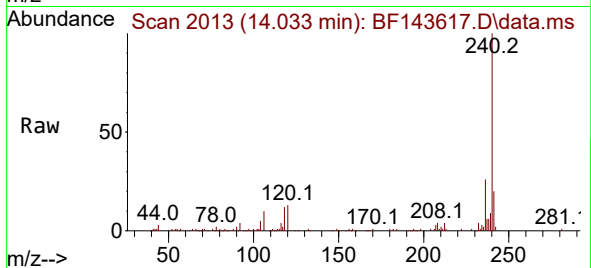




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.434 ng
RT: 14.033 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

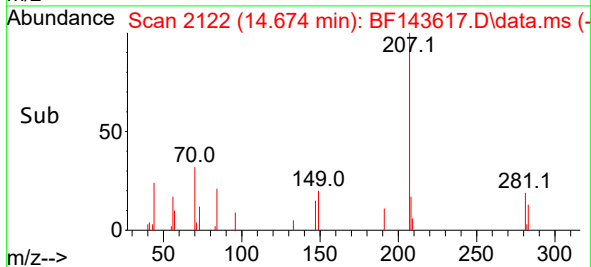
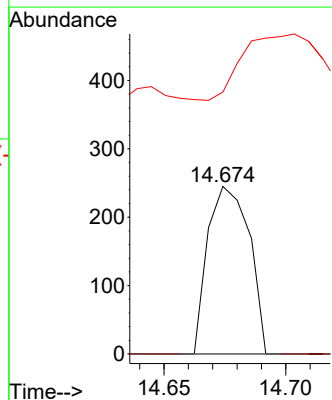
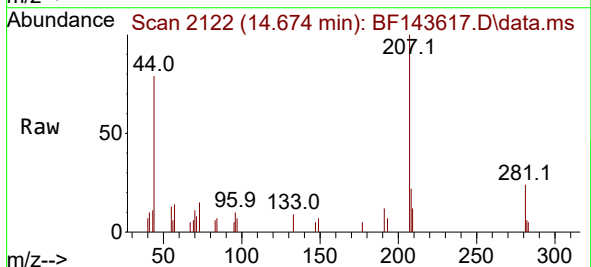
Instrument :
BNA_F
ClientSampleId :
TP2

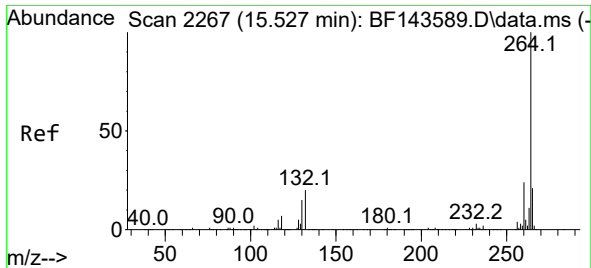
Tgt Ion:149 Resp: 1362
Ion Ratio Lower Upper
149 100
167 34.5 21.8 32.8#
279 0.0 2.9 4.3#



#85
Di-n-octyl phthalate
Concen: 5.888 ng
RT: 14.674 min Scan# 2122
Delta R.T. 0.023 min
Lab File: BF143617.D
Acq: 28 Aug 2025 18:43

Tgt Ion:149 Resp: 291
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 0.0 9.5 14.3#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143617.D
 Acq: 28 Aug 2025 18:43

Instrument :
 BNA_F
 ClientSampleId :
 TP2

Tgt Ion:264 Resp: 197523
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.5 17.0 25.4

